



U.S. Department of Energy
Energy Efficiency and Renewable Energy

federal energy management program



Finding Support for Renewables

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Recap - Where to look

- **Within your own agency** – management, initiatives, programs, assessments, partnerships, funding
- **Your utility** – green power programs, technical advice, interconnection information, rebates and incentives
- **Power Marketing Administrations** – programs, assessments, technical advice
- **Other providers** – Renewable Energy Certificates & Certification Programs
- **State Energy Offices** – information, advice
- **Private companies** – equipment, technical advice, design, cost info, financing



- Department of Energy
 - Federal Energy Management Program (FEMP)
 - Distributed Energy Resources Program (DER)
 - Million Solar Roofs Initiative (MSR)
- Environmental Protection Agency
 - Green Power Partnerships
 - Supplemental Environmental Projects
 - Environmental Management Systems





- **Renewables Assessments** (through Labs or BPA)
 - GSA, Richland and Wenatchee PV Systems (BPA)
 - AZ National Guard, Phoenix PV System (Sandia)
- **Technical Assistance Call for Projects** selection
 - New call coming out this summer
- **Alternative Financing**
 - Energy Savings Performance Contracting
 - Utility Energy Services Contracting





– Workshops/training

- Implementing Renewable Energy Projects, San Fran, 5/18-19
- Alaska Renewable Energy Forum, Anchorage, 5/25
- Track at Energy 2004 in Rochester, NY Aug 8-11, 2004

– Literature/Case Studies

- Project Case Studies
- FEMP Focus articles
- Save with Renewable Energy Newsletter
- **Green Power Purchasing Guide (coming soon)**



Other EERE Renewables Programs

- Distributed Energy Resources program

**Distributed
Energy Resources
Basics**

- Wind Powering America



- Million Solar Roofs





EPA Green Power Partnership

- Voluntary program developed in response to a recommendation in the President's energy plan
- DOE and EPA are Founding Partners
- Mission
 - Standardize green power procurement as part of best practice environmental management
- Significantly increases management support
- Current Status
 - Over 300 Partners with a combined total commitment to over one billion kilowatt hours of green power annually
 - 21 Federal Partners



- Make a Commitment: Switch a percentage of electricity to green power within one year
 - using eligible renewable resources
 - solar, wind, geothermal, biogas, biomass, and small hydro
 - follow Green-e regional eligible resource standards
 - 50% must come from new resources

Annual Electricity Consumption	Commitment
> 100,000,000 kWh	2% of load
< 100,000,000 kWh	3% of load
< 10,000,000 kWh	6% of load
< 1,000,000 kWh	10% of load
< 100,000 kWh	15% of load



- any combination of grid-based green power, renewable energy certificates, and on-site power generation
- for a facility, an operating unit, all facilities within a utility service territory, state, or entire organization



GPP Commitment Levels

Annual Electricity Consumption	Commitment
> 100,000,000 kWh	2% of load
< 100,000,000 kWh	3% of load
< 10,000,000 kWh	6% of load
< 1,000,000 kWh	10% of load
< 100,000 kWh	15% of load



Federal partners

- **U.S. Environmental Protection Agency**
- **U.S. Department of Energy**
 - **Forrestal Headquarters Building, Washington, DC**
 - **Golden Field Office, Golden, CO**
 - **Denver Regional Office, Denver, CO**
 - **National Renewable Energy Laboratory facilities, Golden, CO**
 - **Facilities in Germantown, MD**
 - **Pacific Northwest National Laboratory**
- **U.S. Department of Interior, National Park Service, Independence National Park, Philadelphia, PA**
- **U.S. Department of Agriculture, Headquarters Building, Washington, DC**
- **U.S. Army, Walter Reed Medical Center, Washington, DC**
- **U.S. General Services Administration, Binghamton Federal Building, Utica, NY**
- **U.S. General Services Administration, Pirnie Federal Building, Utica, NY**
- **U.S Navy Region South**
- **U.S. Air Force Dyess Air Force Base**
 - **Cannon Air Force Base**
 - **Ellsworth Air Force Base**
 - **Fairchild Air Force Base**
 - **Goodfellow Air Force Base**
 - **Laughlin Air Force Base**
 - **Minot Air Force Base**
 - **Shepherd Air Force Base**

**EPA Administrator
Whitman Honors
Independence
National Park,
Philadelphia, PA**





EPA Related Efforts

- **Environmental Management Systems**
 - Requirement to have Plans in place by 2005
 - Encouraged to include renewable projects and green power purchases in Plan
- **Supplemental Environmental Projects**
 - For agencies facing environmental fines from EPA
 - Gives violators an alternative to the fine
 - Agency funds environmentally beneficial projects instead of paying fine



Taking Action

- Make Green Power Partnership commitment
 - See Partnership website at www.epa.gov/greenpower
 - Contact Kurt Johnson, EPA : johnson.kurt@epa.gov, 202-343-9231
 - Submit Partnership Letter of Intent
- Talk to your agency environmental reps about EMS and SEP possibilities
- Research information and look for technical assistance
- Implement a renewable energy project
- Make a Green Power purchase
- Purchase Renewable Energy Certificates



- **EPA Recognition and Awards**

- Be listed on the GPP Partnership website
- Press releases and events
- GPP Logo usage
- Regional “Champion” awards programs

- **DOE Recognition and Awards**

- Renewable Energy Awards
- Showcase Awards

**Federal Award and
Federal Showcase Award**
Nominations Due May 14

- **EPA/DOE Annual Green Power Marketing Conference**

- Green Power Leadership Awards



- Website resources:
 - **Federal Network for Sustainability** – Green Power Initiative www.federalsustainability.org
 - Green Power Network
 - www.eere.energy.gov/greenpower/consumers.shtml
 - **Renewable Energy Certificates**
 - www.eere.energy.gov/greenpower/certificates.shtml
 - **Supplemental Environmental Projects**
 - www.epa.gov/compliance/civil/programs/seps/